

CLAIMS

What is claimed is:

1. A handle for a power tool comprising:
 - a field case and first handle portion formed as a single piece, said first handle portion having an opening in one side thereof;
 - a second handle portion attached to said first handle portion for covering said opening; and
 - an end cap connected to a first end of said field case.
2. The handle according to claim 1, wherein said field case defines a generally cylindrical motor chamber.
3. The handle according to claim 2, wherein said field case includes a plurality of screw bosses at a second end for mounting a gear case to said field case.
4. The handle according to claim 1, wherein said field case includes a first slide rail for engaging a corresponding second slide rail on said second handle portion.

5. The handle according to claim 4, wherein said end cap is disposed against said second handle portion for maintaining said second slide rail of said second handle portion in engagement with said first slide rail of said field case.

6. The handle according to claim 5, wherein an end portion of said first handle portion includes at least one screw boss for receiving a screw for securing said second handle portion to said first handle portion.

7. The handle according to claim 1, further comprising a trigger switch supported by said first handle portion.

8. The handle according to claim 1, wherein said field case includes a plurality of screw bosses at said first end for mounting said end cap to said field case.

9. The handle according to claim 1, wherein said opening in said first handle portion defines a first recess for receiving electrical wires therein and said field case includes a first slide rail including a pair of spaced parallel rails defining a second recess therebetween for receiving the electrical wires, said second handle portion covering said first and second recesses.

10. A power tool comprising:

a housing including a field case and first handle portion formed as a single piece, said first handle portion having an opening in one side thereof, a second handle portion attached to said first handle portion for covering said opening, and an end cap connected to a first end of said field case;

a motor disposed in said field case;

a switch disposed in said first handle portion;

an electrical wire system including a plurality of wires connected to said motor through said first end of said field case, said wires extending along an outer side surface of said field case and along said opening in said first handle portion, said wires being covered by said end cap and said second handle portion.

11. The power tool according to claim 10, further comprising a gear case mounted to a second end of said field case.

12. The power tool according to claim 10, further comprising an impact mechanism mounted to a second end of said field case.

13. The power tool according to claim 10, wherein said field case includes a first slide rail on said outer side surface of said field case for engaging a corresponding second slide rail on said second handle portion, said plurality of wires extending through a recess in said first slide rail.

14. The power tool according to claim 13, wherein said end cap is disposed against said second handle portion for maintaining said second slide rail of said second handle portion in engagement with said first slide rail of said field case.

15. The power tool according to claim 14, wherein an end portion of said first handle portion includes at least one screw boss for receiving a screw for securing said second handle portion to said first handle portion.

16. The power tool according to claim 10, wherein said field case includes a plurality of screw bosses at said first end for mounting said end cap to said field case.

17. A method of assembling a power tool, comprising:

mounting a motor to a field case, said field case defining a generally cylindrical motor chamber for receiving said motor and including a first handle portion extending therefrom, said first handle portion including an opening on one side thereof;

mounting a trigger switch to said first handle portion;

attaching electrical wires to said trigger switch and said motor, said electrical wires extending along said opening in said first handle portion and an exterior side portion of said field case;

mounting a second handle portion to said first handle portion and said field case for covering said opening in said first handle portion; and

mounting an end cap to said field case, wherein said second handle portion and said end cap covering said electrical wires attached to said trigger switch and said motor.

18. The handle according to claim 1, wherein said first handle portion does not have an opening to said field case.